Annual Report 2018-19

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Shri Gajanan Shikshan Sanstha's

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA
"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati
"Approved by the D.T.E., M.S. Mumbai"

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Annual Report

2018-19

Admission Status
Academic Year -2018-19

Programme name	Programme Code	Number of seats sanctioned	Number of seats sanctioned
B.E. First Year Computer Science and Engineering	110124210	60	60
	110124211T (TFWS)	3	3
	110124210(PMSSS / NEUT)	1	2
B.E. First Year Electrical Engineering (Electronics and Power)	110135610	60	60
	110135611T(TFWS)	3	3
	110124210(PMSSS / NEUT)	1	0
B.E. First Year Electronics and Telecommunication Engineering	110137210	120	120
	110137211T (TFWS)	6	5
	110124210(PMSSS / NEUT)	1	0
B.E. First Year Information Technology	110124610	60	60
	110124611T (TFWS)	3	3
	110124610 (PMSSS / NEUT)	1	0
B.E. First Year Mechanical Engineering	110161210	60	60
	110161210T (TFWS)	3	1
	110161210(PMSSS / NEUT)	1	0
M.E. Electrical Power System	110129210	18	8
M.E. Digital Electronics	110134310	30	5
M.E. Computer Engineering	110124510	18	11
M.E. Advance Mfg & Mechanical System Design	110190710	24	4
Management (MBA)	110110111	60	60

2 Certificate/ Value Added courses

Name of Add on /Certificate programs offered	Duration of course	Number of Students completing the course in the year	
Campus Recruitment Training (Apti) for BE 3rd year students	30 Hours		131
Campus Recruitment Training (Apti) for BE 4th year students	30 Hours		345
Overcoming Fear and Anxiety (Campus Recruitment Training)	30 Hours		395
Placement Enhancement Training 3rd Year	30 Hours		381
Placement Enhancement Training 2nd Year	42 Hours		395
Summer School on Embedded Systems and Internet of Things by Dr. K. B. Khanchandani & P.R. Wankhede	120 Hours		27
Summer School on Analog VLSI Circuit Design using Cadence by Dr. K.B. Khanchandani & S. P. Badar	80 Hours		19
Workshop On Hands on Digital VLSI Design using Xilinx by Prof. S.P.Badar	38 Hours		20
Certificate course on Fundamentals of solar photovoltaic	40 hours		35
Certificate course on CAD Software (CATIA)	36 Hours		68
Microsoft Excel Course	30 Hours		53
Japanese Language Certification Courses	40 Hours		19
Ultimate Spoken English Classes(Chaus)	40 Hours		325
Course on Machine Learning and IoT	30 Hours		140
Course on Data Science Tech -"Inside DS"	30 Hours		40
Certificate Course on "Industrial Automation"	48 Hours		32
NPTEL-Discrete Mathematics	12 Weeks (Jul-Oct 2018)		1
NPTEL-The Joy Of Computing Using Python	12 Weeks (Jul-Oct 2018)		3
NPTEL-Introduction to Internet of Things	12 Weeks (Jul-Oct 2018)		1
NPTEL-Human Resource Development	12 Weeks (Jul-Oct 2018)		1
NPTEL-Programming, Data Structures And Algorithms Using Python	8 Weeks (Aug-Sept 2018)		1
NPTEL-Introduction To Machine Learning	8 Weeks (Aug-OCT 2018)		1
NPTEL-Introduction To R Software	8 Weeks (Aug-Sept 2018)		1
NPTEL-Cloud Computing	8 Weeks (Aug-Sept 2018)		1

NPTEL-Advanced Linear Continuous Control Systems: Applications with Matlab Programming and Simulink	8 Weeks (Aug-OCT 2018)	1
NPTEL-MultiCore Computer Architecture-Storage and Interconnects	8 Weeks (Aug-Sept 2018)	1
NPTEL-Developing Soft Skills And Personality	8 Weeks (Aug-OCT 2018)	1
NPTEL-Stress Management	4 Weeks (Aug-Sept 2018)	1
NPTEL-Refrigeration and Air-Conditioning	8 Weeks (Aug-Sept 2018)	2
NPTEL-Programming, Data Structures And Algorithms Using Python	8 Weeks (Jan-March 2019)	4
NPTEL-Programming In Java	12 Weeks (Jan- April 2019)	2
NPTEL-Financial Institutions And Markets	12 Weeks (Jan- April 2019)	2
NPTEL-Financial Statement Analysis And Reporting	12 Weeks (Jan- April 2019)	1
NPTEL-Principles Of Human Resource Management	8 Weeks (Jan-March 2019)	9
NPTEL-Consumer Behaviour	8 Weeks (Jan-March 2019)	3
NPTEL-Financial Mathematics	12 Weeks (Jan- April 2019)	1
NPTEL-Cloud Computing	8 Weeks (Feb-April 2019)	1
NPTEL-Big Data Computing	8 Weeks (Feb-April 2019)	1
NPTEL-Machine Learning, Ml	8 Weeks (Feb-April 2019)	1
NPTEL-CMOS Digital VLSI Design	8 Weeks (Feb-April 2019)	1
NPTEL-Electric Vehicles - Part 1	4 Weeks (Feb-March 2019)	1
NPTEL- Joy Of Computing Using Python	12 Weeks (Jan- April 2019)	1
Udemy-Complete Java	77 Hours (15 Oct 2018)	1
Udemy-Web Developer Course 2.0	30.5 Hours (27 Sept 2018)	1

Students Internship /Training

Sr. No	Program Name	No. of Students undertaking Internships/ Field Work
1	B.E. - Computer Science & Engineering	30
2	BE – Electrical Engineering (Electronics & Power)	120
4	BE – Information Technology	14

Grants Received

Sr. No.	Name of the research project/ endowment	Department	Amount Sanctioned in Lakhs
1	FDP"Computer Vision and Machine Learning"	Electronics & Telecommunication Engineering	2.37
2	Website of Autolounge	Information Technology	0.15

Industry-led Workshops and Seminars

Orientation Program in Entrepreneurship Development by Shri Shubhang Gore, Director, GEMS, Nagpur	227
Guest Lecture on "Indian Energy Scenario" by Mr. A. G. Patil (Executive Engineer, Project Division MSETCL, Nagpur	38
Guest Lecture on "Project Management, IoT, Opportunities of Electrical Engineer in software Industry" by Mr. Shreekant Bedekar (Software Consultant , Project Management ,Mumbai)	52
Expert Talk delivered by Dr. D. P. Kothari (Former Incharge Director, IIT Delhi) on Renewable Energy - A future perspective	58
Guest Lecture on "Application of AUTOCAD Electrical Software in Electrical Engg " Mr. Mohit Dubey (Design Engineer CAD Center Nagpur)	51
Guest Lecture on "Contribution of Tata Power in Power sector" Mr. Satish Mahajan (Principal Tata Power Skill Development Institite Shahad, Mumbai	65
Guest lecture on "Design & Controlling of BLDC Motor" by Mr. Avesh Metkar (Quality Control Head, Atomberg Technologies, Mumbai)	56
Seminar on Energy Audit & Management by Mr. Ajitkumar Datar Energy Auditor PCRA,Mumbai	45
Seminar on Industrial Automation by Mr. Sameer Chaware and Mr. Sarang Thakare Project Er. & Trainer PROLIFIC Systems & Technologies Pvt. Ltd., Nagpur	13
Seminaron Internet of things (IOT) by Mr. Chaitanya Dhareshwar Director, Infinity Beam, U.S.A.	64
Training program on Turbo Charger & Exhaust System of Diesel Vehicle by Er. Vijay Kumar Bhambri Industrial Expert, Nagpur	15
Training program on Geometric Dimensioning & Tolerancing by Mr. Anand Bhise Director, Mechatol Engg. Solutions, Pune	28
Seminar on Quality Control by Mr. Anand Diwan Head, Quality control at Fleetgard India Ltd., Pune	49
Scopes of research in academics by Dr P.V.Bokad SSGMCE ,Shegaon	54
Foundation of entrepreneurship by Prof W.Z.Suliya , SSGMCE Shegaon	39
Research and Marketing by Mr Chetan Choudhary	45
One Week STTP on "Computer Vision Machine Learning" by IIITDM,Jabalpur	48

Research Publication

System for Content Based Image m and Histogram Features	Dr. D .R .Dhotre	Computer Science and Engineering	International Journal of Emerging Technologies and Innovative Research (JEIR)) Volume 6 Issue 5, May 2019
Forecasting Air Quality for Air Pollution levels in Urban Areas	Prof. C. M. Mankar	Computer Science and Engineering	JETIR, VoluRetrieval using Wavelet Transforme 6, Issue 4, , April 2019
A survey on Machine Learning Tech for Air Quality Forecasting	Prof. C. M. Mankar	Computer Science and Engineering	IJRASET, Volume 7, Issue 4,
Forecasting Union Budget of India By Linear Regression with Standard Error Adjustment	Prof. C. M. Mankar	Computer Science and Engineering	IJTIMES, Volume 5, Issue 3, April 2019
Survey Paper on Secure Content-Based Image Retrieval in Cloud Computing	Prof. V. S. Mahalle	Computer Science and Engineering	IJMTES, Volume 9, Issue 3, , March-2019
Secure Content-Based Image Retrieval in Cloud Computing	Prof. V. S. Mahalle	Computer Science and Engineering	IJRECE, Volume 7, Issue 2, April to June 2019
Semisuperwised Graph Theoretic Method For Retrieval Multilabel Images	Prof. V. S. Mahalle	Computer Science and Engineering	IJMTE, Volume 9, Issue 3, , March-2019
Survey Paper on Multilabel Remote Sensing Image Retrieval Using CBIR Techniques	Prof. V. S. Mahalle	Computer Science and Engineering	JETIR Volume 6 Issue 4, April 2019
" A Survey on Context based Image Retrieval by using Convolutional Neural network"	Prof. V. S. Mahalle	Computer Science and Engineering	International Journal of Scientific Research in Computer Science Applications and Management Studies(IJSRCSAMS) Volume 8 Issue 1 Jan 2019
Application of Convolutional Neural network for Content-Based Image Retrieval	Prof. V. S. Mahalle	Computer Science and Engineering	IJTIMES, Volume 5, Issue 3, March 2019
Medical Data Sharing for protection and Intrusion Avoidance in Cloudlet	Dr. N.M. Kandoi	Computer Science and Engineering	International Journal for Research & Development InTechnology Volume-11, Issue-3(Mar-19)
"Prediction of gainer & looser of stocks using artificial neural network algorithm"	Prof. P.K.Bharne	Computer Science and Engineering	International Journal of Research in Electronics and Computer Engineering A Unit of I2OR, ISSN: 2393-9028 (PRINT)	, IJRECE Vol. 7 Issue 2 APR.-JUNE 2019

"Stock Market Prediction System Using Machine Learning Technique"	Prof. P.K.Bharne	Computer Science and Engineering	International Journal of Information and Computing Science, , Volume 6, Issue 2, February 2019, http://ijics.com 8/02/2019.
"An Investigation Into The Use Of Neural Networks for The Predication of The Indian Stock Exchange",	Prof. P.K.Bharne	Computer Science and Engineering	International Journal of Scientific Research and Review, UGC APPROVED JOURNAL Serial No. 64650, (IJSRR) , Volume 8, Issue 4, 2019 22/04/2019.
Research on Data Recovery using Cloud Mirroring Technique with Load Balancing"	Prof. J.M.Patil	Computer Science and Engineering	International Open Access Journal of Emerging Technologies and Innovative Research (JETIR) Volume 6 Issue 4, April 2019.
Survey on Data Recovery Techniques such as HS-DRT , Parity Cloud Service and Mirroring Technique for Lost Data in Cloud Computing	Prof. J.M.Patil	Computer Science and Engineering	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES Volume 05 Issue 03, March 2019.
Modelling & simulation of Proposed 25KW Solar PV Power Plant for SSGMCE, Shegaon	Prof. R.S.Pote	Electrical Engineering	IJSRD - International Journal for Scientific Research & Development| Vol. 7, Issue 03, 2019 | ISSN (online): 2321-0613
Discremination of power quality events using power modal signal	Prof. R.S.Pote, Prof. S.S.Jadhao , Prof. G.N.Bonde	Electrical Engineering	IJRACE vol no 06, Isssue 3(july sep 2018)ISSN: 2393-9028
Monitoring of solar power plant and load control	Prof. R.S.Pote	Electrical Engineering	International Journal Of Research In Electronics And Computer Engineering (Ijrece) Vol 6, Issue 2,Apr June 2018
Simulation of fault current limiter (FCL) for voltage sag mitigation	Prof. U.A.Jawadekar	Electrical Engineering	International Journal Of Research In Electronics And Computer Engineering (Ijrece) Vol No 6, Issue 3(July-Sep 2108) Issn: 2393-9028, Issn :2348-2281(Online)
ANN Based Health Monitoring of Three Phase Induction Motor Using Vibration Analysis	Dr. A.U.Jawadekar	Electrical Engineering	International Journal For Science And Advance Research In Technology (Ijsart) Vol-5 Issue5 May 2019
Reactive Power Management using TCS TCR	Dr. A.U.Jawadekar	Electrical Engineering	International Journal of Industrial Electronics and Electrical Engineering, Volume-7, Issue-9, Sep.-2019

Title	Author	Department	Publication
Identification of Sympathetic Inrush Current of a Transformer	Prof. R.Z.Fulare Prof. S.S.Jadhao Prof.P.R.Bharambe	Electrical Engineering	International Journal Of Research In Electronics And Computer Engineering (Ijrece) Vol No 6, Issue 3(July-Sep 2108) Issn: 2393-9028, Issn:2348-2281(Online)
Impact of Distributed Generation on Short Circuit Level.	Prof. R.S.kankale	Electrical Engineering	IJSTE, International Journal Of Science And Technology And Engineering Vol 5, Issue 3, Sept 2018 Issn: 2349-784x
Case study on Energy Conservation in lighting audit	Prof. M.R.chavan	Electrical Engineering	International Journal For Science And Advance Research In Technology (Ijsart) Vol-5 Issue4 April 2019 Issn(Online) 2395 -1052
Energy Audit in oil mill : Considering Motor load	Prof. M.R.chavan	Electrical Engineering	International Journal Of Research In Engineering Science And Management (Ijresm) Vol2, Issue 5, May 2019
Grey Wolf Optimization Algorithm For Generation Rescheduling In Deregulated Power System For Congestion Management	Dr. S.R.Paraskar	Electrical Engineering	Journal of Analysis and Computation (JAC) (An International Peer Reviewed Journal), www.ijaconline.com, ISSN 0973-2861 International Conference on Knowledge Discovery in Science and Technology 2019, ICKDST '19, Pune
Congestion Management Using Firefly Algorithm In Deregulated Power System For Ieee-30 Bus System	Dr. S.R.Paraskar	Electrical Engineering	Journal of Analysis and Computation (JAC) (An International Peer Reviewed Journal), www.ijaconline.com, ISSN 0973-2861 International Conference on Knowledge Discovery in Science and Technology 2019, ICKDST '19, Pune
Literature Survey In Deregulated Power System To Reduce Congestion Using Different Technique	Dr. S.R.Paraskar	Electrical Engineering	Journal of Analysis and Computation (JAC) (An International Peer Reviewed Journal), www.ijaconline.com, ISSN 0973-2861 International Conference on Knowledge Discovery in Science and Technology 2019, ICKDST '19, Pune

Automated e-billing & Power control system through power line communication	D.L.Bhombe, Dr.D. D. Nawgaje	Electronics and Telecommunication engineering	Global Journal of Engg. Science & researches
A survey on parallel imaging in magnetic Resonance imaging	Dr. K. B. Khanchandani V. K. Bhangdiya	Electronics and Telecommunication engineering	Journal of Emerging Technologies and Innovative Research
Fake news Identification using machine learning	Dr. K. B. Khanchandani	Electronics and Telecommunication engineering	International Journal for Research in applied science &Engg.
IOT Based Smart Wireless Sensor Network for Industrial Automation: A Review	V. N. Bhonge	Electronics and Telecommunication engineering	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering
IOT Based Smart Wireless Sensor Network for Industrial Automation	V. N. Bhonge	Electronics and Telecommunication engineering	International journal of innovative research in computer and communication engineering.
A Wireless IOT System for GAIT Detection in stroke Patent	V. N. Bhonge	Electronics and Telecommunication engineering	JETIR
EEG Spectral Analysis on OM Mantra Meditation: A Pilot Study	B. P. Harne	Electronics and Telecommunication engineering	Applied Psychophysiology and Biofeedback
Survey on Om Meditation: Its Effects on the Human Body and Om Meditation as a Tool for Stress Management	B. P. Harne	Electronics and Telecommunication engineering	Psychological Thought
Explore the effect of Om mantra meditation on brain with wavelet analysis	B. P. Harne	Electronics and Telecommunication engineering	WSEAS TRANSACTIONS on SIGNAL PROCESSING
Implementation of 5S methodology at spectrum electricals limited	Dr.Javed Khan	Mechanical engineering	Journal of Emerging Technologies and innovative research

Productivity Improvement with the help of value stream mapping by reducing mould changeover time	Dr.Javed Khan	Mechanical engineering	Journal of Emerging Technologies and innovative research
Validation and performance of pin Fins using CFD	Prof M.B.Bhambere	Mechanical engineering	Open Access international journal of science and engineering
Design and Development of Manually Operated Cotton Seed Planter	Prof. C V Patil	Mechanical engineering	Journal of Emerging Technologies and Innovative Research (JETIR)
Structural analysis of ground nut oil extraction machine	Prof. A.S.Bharule	Mechanical engineering	Journal of Emerging Technologies and Innovative Research (JETIR)
Quantitative analysis of FSW weld joints	Prof. N B Borkar	Mechanical engineering	Journal of Emerging Technologies and Innovative Research (JETIR)
"Elimination type of Pokayoke - a game changer tool in propeller shaft assembly"	Prof. Nilesh H. Khandare	Mechanical engineering	International Journal of Mechanical and Production Engineering Research and Development
"Productivity Optimization: a tailored Lean and Agile approach for Automotive Propeller Shaft Assembly"	Prof. Nilesh H. Khandare	Mechanical engineering	International Journal of Research in Advent Technology
"Paint Peel off - A Nuisance in Automotive Propeller Shaft Assembly"	Prof. Nilesh H. Khandare	Mechanical engineering	International Transstellar Journal of Publications (Scopus Indexed Journal) IJMPERD
"Bearing Cup Grease Metering for EOHS Fulfilment – An obligatory in Propeller Shaft Assembly"	Prof. Nilesh H. Khandare	Mechanical engineering	International Journal of Engineering Research and Technology
Numerical and experimental investigation of dual purpose solar collector	Prof. N. G. More	Mechanical engineering	International Journal of Engineering Research and Technology (IJERT)
Effect of Fractional Order in Diagonal Pole Motion in LHP	Dr.N.A.Patil	Applied Sciences & Humanities	Iaetsd Journal For Advanced Research In Applied Sciences
Effect of Fractional Order on Integrator and Derivative System for Different Values of q > 0	Dr.N.A.Patil	Applied Sciences & Humanities	JASC: Journal of Applied Science and Computations

Extension and Outreach Programs

Name of the activity	Organising unit/ agency/ collaborating agency
Voter Awareness Abhiyan	NSS
Cleanliness Drive	NSS
Unnat Bharat Abhiyan Program	NSS and SGBAU Amaravati
Disaster Management on 18-12-2018 at village Kherda gosavi	NSS
Shramdan (Bandhara Nirmity)	NSS
Health Checkup Camp	NSS
Blood Donation Camp	NSS
Animal Health Checkup Camp	NSS
Tree Plantation	NSS
Computer Repairing and Internet Connectivity guidance in School	NSS
One Day Workshop On "Electronics Equipments and Their Applications" for SSGM School students	EXTC, SSGMCE Shegaon
Women Empowerment Program	NSS UNIT SSGMCE
Workshop on Introduuction to Advance Welding Technology for ITI Students	Mechanical Engineering Department, SSGMCE, Shegaon
Three days training Program on **"Operation and Control of Electrical Motors"** for first Year Students of " Late Sau Meenatai Jadhav Pvt Industrial Training Institute"Shegaon Ujad	Electrical Engineering Department, SSGMCE Shegaon
Organisation of drawing competition for differently abled children	Department of Business Administration and Research,SSCMCE Shegaon
Organisation of Sanskar Shibir/ Camp for School Children	Department of Business Administration and Research,SSCMCE Shegaon

MoUs / Linkages

Name of the Company	Activities Conducted
Tata Power Skill DevelopName ment Institute,Shahad Mob:9223580347	Student training/Internship in the TPSDI Training Centre Shahad, Mumbai
CADD Centre, Nagpur	Organised guest lecture for our UG Student
Pi R Square Solutions Pvt. Ltd. Pune Email:- founder@pirsquaredigital.com Contact:-+91 9028398260	Faculty visit to Industry at Pune, MoU signing, 2017-18 Sponsor Project continue
IBM India Pvt. Ltd. , Pune Email: migangade@in.ibm.com Contact:-7745056478	Sponsored Project with students & faculty, Student & Faculty visit to Industry at Pune
PALO ALTO NETWORKS	Discussion with Faculty & Students
e-Zest Solutions Ltd. Pune Email: bhushan.adhe@e-zest.in Contact:-869865348	Student-faculty visit to Industry, at Pune
Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	Project, Internships
V-Chip Technology Pvt. Ltd., Pune	Internship
Scientech Tech. Pvt. Ltd, Indore	Internship
Cluebix Software Pvt. Ltd, Nagpur Hemant Barapatre Phone: 7588807491 Email: hemant@cluebix.com	Workshop on Art of Ethical Hacking
Renuka Technologies Private Limited, Nagpur Mr. Chetankumar Akarte, Mob: 9867748519	Workshop on Android App Development
VNurt Technology Solutions Pvt. Ltd., Bengaluru Mr. Hemant Sharma, Email: hemant@vnurt.com, Mob: 9632444388	Internship
Red Hat Academy, Banglore Name: Abhijeet Roy Email Id: aroy@redhat.com Contact No: +91-22-61147588	Internship
Vidharbha Defence Industrial Hub Pvt. Ltd., Mihan Nagpur Name: Mr. Dushyant Deshpande Email Id: dushyant.deshpande@vdih.org Contact No:9822465582	Internship
BASE Education, Address: "Nandvilas", Near Chemist Bhavan, Ganesh Nagar, Jalgaon-425001 (M.S.)	Campus Recruitment Training
S&K Associates, Address: S&K Associates, 33 Lam Road, Devlali Camp, Nashik –422401, Maharashtra	Soft Skill Development Training

JDM Semiconductor, Nagpur Name: Mr. Ashish Kachane Email Id: ashish.kachane@gmail.com Contact No:7972038483	Guest Lecture
Manav School of Engineering & Technology, Vyala Akola	Utilization of our lab facilities
S T C School of Engineering & Research Technology Khamgaon	Utilization of our lab facilities

SHRI GAJANAN SHIKSHAN SANSTHA'S

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*Approved by the D.T.E., M.S. Mumbai

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SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

Annual Report of Examination for
Academic Year 2018-19

SN	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1	110124210	B.E. Computer Science and Engineering	67	63	94.02
2	110135610	B.E. Electrical Engineering (Electronics & Power)	78	75	96.15
3	110137210	B.E. Electronics and Telecommunication Engineering	146	126	86.30
4	11012461	B.E. Information Technology	64	61	95.31
5	110161210	B.E. Mechanical Engineering	69	58	84.05
6	110124510	M.E. Computer Engineering	14	6	42.85
7	110129210	M.E. (Electrical Power System)	7	1	14.28
8	110134310	M.E. Digital Electronics	10	7	70
9	110190710	M.E. (Advance Manufacturing and Mechanical System Design	6	4	66.66
10	11010110	Master of Business Administration	55	39	70.90
Total Count :-			**516**	**440**	**85.27**

Controller of Examination

Dr. S. B. Somani
PRINCIPAL
Shri Sant Gajanan Maharaj
College of Engineering,Shegaon.

Scholarships Offered -Institute and Government

Name of the scheme	Government/non-government	Amount
Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulkh Shishyavrutti Yojna (EBC)	Government	5209331.00
Scholarship for students of minority communities pursuing Higher and Professional courses(DTE)	Government	150000.00
Government of India Post-Matric Scholarship	Government	11445062.00
Post-Matric Tuition Fee and Examination Fee (Freeship)	Government	5414854.00
Post Matric Scholarship Scheme (Government of India)	Government	2126818.00
Tuition Fee & Exam Fee for Tribal Students (Freeship)	Government	1407900.00
Post Matric Scholarship to OBC Students	Government	16686348.00
Post Matric Scholarship to SBC Students	Government	1507139.00
Post Matric Scholarship to VJNT Students	Government	6887658.00
Tuition Fees and Examination Fees to OBC Students	Government	11119110.50
Tuition Fees and Examination Fees to SBC Students	Government	2138352.00
Tuition Fees and Examination Fees to VJNT Students	Government	4667585.00
Central Sector Scheme of Scholarships for College and University Students	Government	34000.00
Merit-Cum-Means Scholarship for Professional and Technical Courses CS	Government	175000.00
Merit Scholarship	Non-government	202995

Career Counseling Programs

Name of the Activity	Number of Participants
A guest lecture on "Recent Trends and Demands in IT Industry" by Mr. Yogesh Lad, L&T Infotech Ltd. Pune and Mr. Nakul Deshmukh & Mr. Sagar Ingle, Ibase Technologies PVt. Ltd., Amravati on 20/01/2019.	121
A guest lecture on "Mobile Forensics" by Mr. Rizwan Ahmed, CEO, DelaPlex Softwares, Nagpur on 15/02/2019.	139
A guest lecture on" Project Development: PHP, Data Analytics & Android" by Mr. Kamal Rastogi, i-tech Solutions, New Delhi on 14/08/2018.	40
A three-day workshop on "Need of Electronics in Industry" by Mr. Sanjay Choudhary, Electronics Study Center, Nashik from 11/04/2019 to 13/04/2019.	86
A guest lecture "Career Guidance and Motivation" by Mr. Ved Jahagirdar, Assistance General Manager, SKODA Automation, Aurangabad on 28/02/2019.	65
A guest lecture "Use IoT in Mechanical Engineering" by Mr. Chaitanya Dhareshwar, Director, Infinity Beam, US on 09/01/2019.	84
A guest lecture "Energy Audit and Management", by Mr. Ajit Kumar Datar, Energy Auditor on 30/07/2018.	46
A guest lecture "Perceptions About Ways of a Successful Career" by Mr. Rajiv Jawale, HR Manager, Kalash Seeds Pvt. Ltd. Jalna on 08/10/2018.	71

Students qualifying in Competitive Exams

Sourabh Satish Kulkarni	GATE
Shantanu Prakshrao Taywade	GATE
Pankaj Shankarrao Bhoyar	GATE
Vaibhav Rameshwar Nakat	GATE
Devanshish Punjaram Makode	GATE
Rushikesh Vinodrao Deshmukh	GATE
Chetan Ashokrao Ingle	GATE
Rahul Ashok Rajabhoj	GATE
Pavan Bhagwan Raut	GATE
Paras Mehta	GATE
Sanket Rajendra Baheti	GATE
Harvindersingh Gopalsinhg Chavan	GATE
Jayshree Suresh Mali	GATE
Kaustubh Suresh Badhe	GATE
Krushna Sudhakarrao Kokate	GATE
Pranit Sanjayrao Vithalkar	GATE
Sanskruti Zawar	IELTS

Awards in sports and cultural Activities

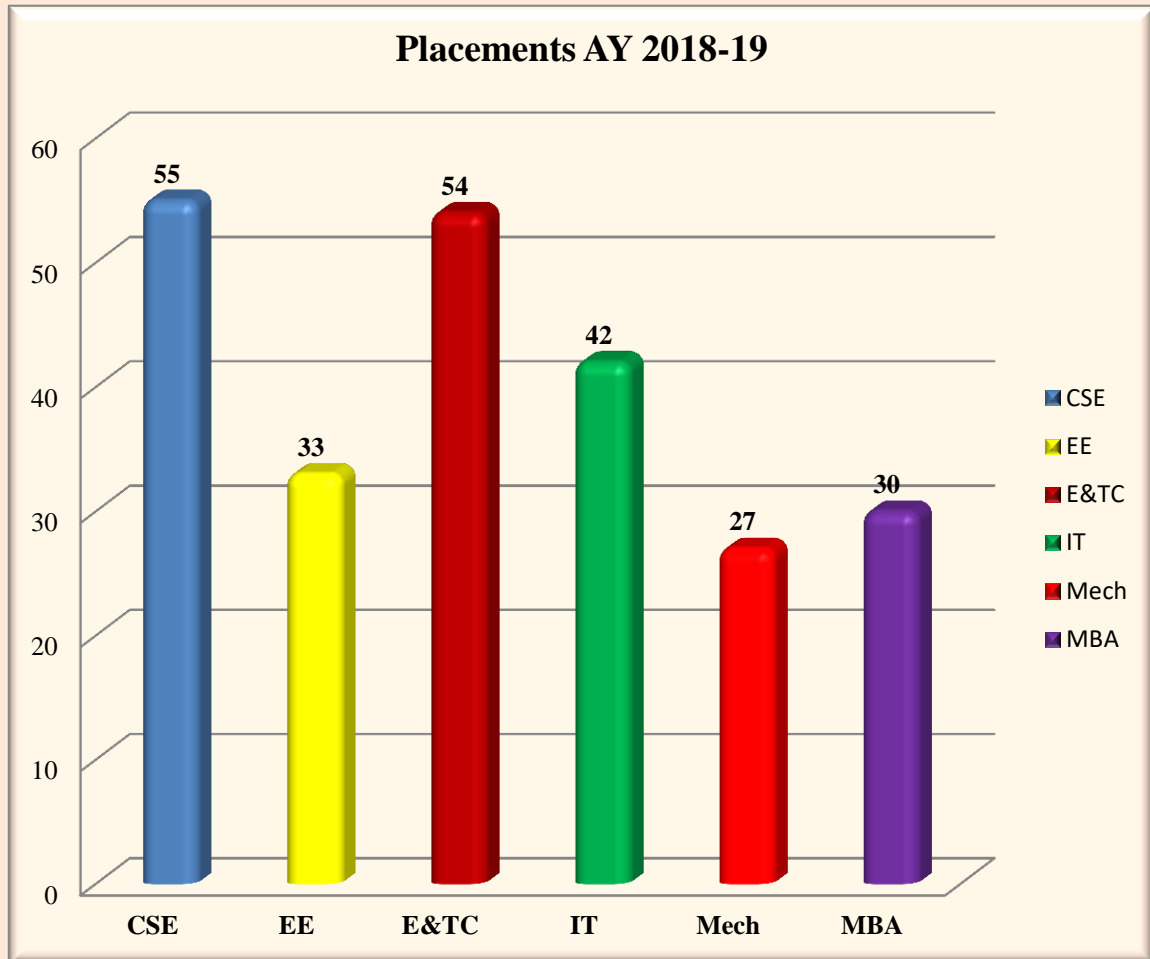|				
Cricket (Colour Coat Coat)	Individual	Inter University	Sports	Jayshree Ingle
Basket Ball (Colour Coat Coat)	Individual	Inter University	Sports	Darshan Sawarkar
Boxing (W) 57 kg- Third	Individual	University Inter-Collegiate	Sports	Neha Chandore
Boxing (W) 60 kg- Third	Individual	University Inter-Collegiate	Sports	Laxmi Harne
Boxing (M) 91 kg- Third	Individual	University Inter-Collegiate	Sports	Rahul Sapkal
Volley Ball (Colour Coat Coat)	Individual	Inter University	Sports	Tanvi Nanote
Second Prize in Kabaddi Tournaments	Team	Inter University	Sports	Prince Zod
				Pankaj Dhirbassi
				Ritesh Chavan
Colour Coat Coat in Singing	Individual	Inter University	Cultural	Shatakshi Deshmukh
Debate	Individual	State Level Intercollegiate	Cultural	Aniket Gawande

Placements AY 2018-19

Statistics of BE and MBA Students Placed in AY 2018-19

(Head Count)

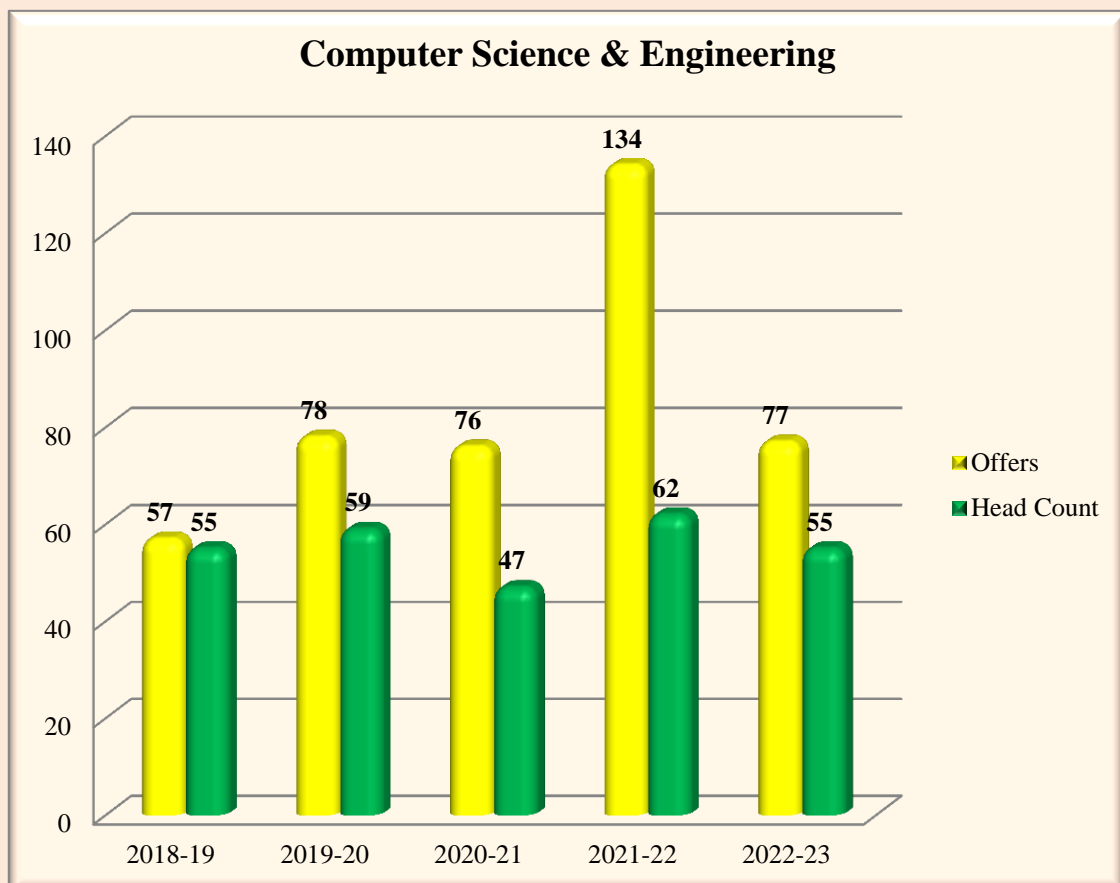| AY / Dept	CSE	EE	E&TC	IT	Mech	MBA
2018-19	55	33	54	42	27	30

Graphical Representation of Head Count.

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Computer Science & Engineering

5 Years Placement Offers & Head Count (Statistics)

AY	Offers	Head Count
2018-19	57	55
2019-20	78	59
2020-21	76	47
2021-22	134	62
2022-23	77	55

Graphical Representation of Offers Received & Head Count

Shri Gajanan Shikshan Sanstha's

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
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Website- www.ssgmce.ac.in   **registrar@ssgmce.ac.in**

Annual Report Highlighting the Programs undertaken by the teachers

Academic Year 2018-19

The institute has a well-planned policy aimed at encouraging faculty members to undertake refresher courses, orientation programs, and faculty development programs sponsored by the UGC and Human Resource Development.

Throughout the year 2018-19, teachers from SSGMCE actively participated in various workshops, seminars, and other academic events, contributing significantly through their intellectual prowess.
Below are the highlights of the major programs undertaken by them:

A combined total of 146 teaching and non-teaching members of the institute successfully completed various development programs. These programs encompassed both UGC-sponsored initiatives and courses offered by NPTEL.

Dr S.B.Somani
(Principal)

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Annual Report 2018-19

Prof.V.S.Malalle	1.Machine Learning And Data Analytics Using Matlab Programming
	2.IOT and Machine Learning
Prof.P.K.Bharne	1.Machine Learning And Data Analytics Using Matlab Programming
	2.IOT and Machine Learning
Prof.K.P.Sable	1.IOT and Machine Learning
Prof.A.K.Shahade	1.IOT and Machine Learning
Prof.P.V.Deshmukh	1.IOT and Machine Learning
Dr. S.R.Paraskar	Three Days Training Programme on" Advanced Power system Protection, Short circuit Calculation , Relay Setting and Relay Coordination with hands on"
Prof. U A.Jawadekar	Two Week Training on" Power System Familiarization"
Dr. A.U. Jawadekar	FDP on "IoT and Machine Learning By Expert Global Solutions Pvt Ltd"
Prof. R Z. Fulare	Two Week Training on" Power System Familiarization"
Prof. P.R.Bharambe	Online certification 12th week course " Electrical machine -II" between
	Three Days Training Programme on" Advanced Power system Protection, Short circuit Calculation , Relay Setting and Relay Coordination with hands on"
Prof. R.S. Kankale	Three Days Training Programme on" Advanced Power system Protection, Short circuit Calculation , Relay Setting and Relay Coordination with hands on"
	FDP on "IoT and Machine Learning By Expert Global Solutions Pvt Ltd"
	AICTE Sponsored Quality Improvement STTP on "Recent Trends in Power System Operation, Control and Protction" organised by Government College of Engineering, Amravati
Prof. S.S.Jadhao	Three Days Training Programme on" Advanced Power system Protection, Short circuit Calculation , Relay Setting and Relay Coordination with hands on"
Prof. M.R. Chavan	AICTE Sponsored one week STTP on "Renewable Energy Sources" organised by St Vincent Pallotti College of Engineering & Technology Nagpur
	NPTEL online certification on " Solar photovoltaic principle technologies and material"
	NPTEL online certification on " Introduction To Research"
Prof. R. K. Mankar	One Week STTP On " Recent Trends in power system Operation , control and protection"
Mr. G N Bonde	One Week STTP on" Virtual Lab Development"

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	FDP on "IoT and Machine Learning By Expert Global Solutions Pvt Ltd"
Prof. V. S. Karale	FDP on "IoT and Machine Learning By Expert Global Solutions Pvt Ltd"
V.K.Bhangdiya	ANN and Deep Learning
B.P.Harne	Computer vision and machine learning
V.K.Bhangdiya	Computer vision and machine learning
S.P. Badar	IoT and Machine Learning
B.P.Harne	IoT and machine learning by Expert global solution Pvt Ltd, Aurangabad
S.G.Nemane	National Boot Camp for Development of Virtual Lab
V.M.Umale	Robotics & AI
K.T. Kahar	Robotics & AI
P.D.Kale	Signal Processing for Engineers
Dr.A.S.Manekar	"IOT & Machine Learning by Expert Global Solution PVT.Ltd.Aurangabad" organised by SSGMCE,Sheagaon
	FDP on Rubics Data Science
Prof. P.V.Kale	"IOT & Machine Learning by Expert Global Solution PVT.Ltd.Aurangabad" organised by SSGMCE,Sheagaon
Prof. A.G.Sharma	"IOT & Machine Learning by Expert Global Solution PVT.Ltd.Aurangabad" organised by SSGMCE,Sheagaon
Prof.F.I.Khandawani	"IOT & Machine Learning by Expert Global Solution PVT.Ltd.Aurangabad" organised by SSGMCE,Sheagaon
	FDP on Rubics Data Science
Prof. S.D.Padia	"IOT & Machine Learning by Expert Global Solution PVT.Ltd.Aurangabad" organised by SSGMCE,Sheagaon
Prof.P.P.Bute	"IOT & Machine Learning by Expert Global Solution PVT.Ltd.Aurangabad" organised by SSGMCE,Sheagaon
	Four week NPTEL course on "Effective Engineering In Practice" organised AICTE,NPTEL
Prof. M.B.Bhambere	Faculty development programme on Heat exchanger:Fundamental and design Analysis
Dr. J.G Khan	Faculty development programme onTeahing and learning in Engineering
Prof. S. Q. Syed	Faculty development programme on IC Engine and gas turbine
Prof N.B.Borkar	Faculty development programme Product design and engineering
Prof. S. Q. Syed	Faculty development program on IoT and Machine learning"
Dr.N.A.Patil	Two Days NBA Preparatory Workshop
Dr.R.M.Kharate	Two Days NBA Preparatory Workshop
Prof.N.S.Thakare	Two Days NBA Preparatory Workshop
Prof.A.S.Alane	Two Days NBA Preparatory Workshop
Prof.K.P.Deshmukh	Two Days NBA Preparatory Workshop

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Prof.R.G.Raut	Two Days NBA Preparatory Workshop
Prof.S.V.Bhagat	Two Days NBA Preparatory Workshop
Prof.Mrs.H.S.Patil	Two Days NBA Preparatory Workshop
Pankaj Dhokane	Two Days NBA Preparatory Workshop
Prof.R.G.Raut	FDP on Physics Exposure Camp
Dr. H. M. Jha "Bidyarthi"	SEBI Financial Education Resource Persons Refresher Workshop
Mrs.Harshali Santosh Patil	NPTEL-Soft Skills
Mrs.Harshali Santosh Patil	NPTEL-Developing Soft Skills And Personality
Rutika Raut	NPTEL-Phase Equilibria In Materials (Nature & Properties Of Materials-Ii)
Anil Shamrao Alane	NPTEL-Waste To Energy Conversion
Mrs.Harshali Santosh Patil	NPTEL-Teaching And Learning In Engineering (Tale)
Sachin Vasant Bhagat	NPTEL-Enhancing Soft Skills And Personality
Pankaj Shaligram Dhokane	NPTEL-Advanced Engineering Mathematics
Rutika Raut	NPTEL-Laser: Fundamentals And Applications
Mrs.Harshali Santosh Patil	NPTEL-Better Spoken English
Sandesh Devendra Jain	NPTEL-Introduction To Research
Sandesh Devendra Jain	NPTEL-Innovation, Business Models And Entrepreneurship
Arti Gorakhnath Ghule	NPTEL-Effective Engineering Teaching In Practice
Purushottam Ramesh Bharambe	NPTEL-Electrical Machines - Ii
Mukesh R Chavan	NPTEL-Introduction To Research
Mukesh R Chavan	NPTEL-Solar Photovoltaics: Principles, Technologies & Materials
Pallavi Bute	NPTEL-Effective Engineering Teaching In Practice
Dr. Laxmikant Baburao Deshmukh	NPTEL-Marketing Management-I
Vishal Vinayakrao Patil	NPTEL-Leadership
Prabhakar Vitthalrao Bokad	NPTEL-Leadership
Prabhakar Vitthalrao Bokad	NPTEL-Innovation, Business Models And Entrepreneurship
Dr. Laxmikant Baburao Deshmukh	NPTEL-Sales And Distribution Management
Mayur Anil Dande	NPTEL-Consumer Behaviour
Pavan M. Kuchar	NPTEL-Services Marketing: A Practical Approach
Mayur Anil Dande	NPTEL-Soft Skills For Business Negotiations And Marketing Strategies

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Vishal Vinayakrao Patil	NPTEL-Principles Of Human Resource Management
Wechansing Zyamsing Suliya	NPTEL-Principles Of Human Resource Management
Madhao Baliram Bhambere	NPTEL-Teaching And Learning In Engineering (Tale)
Syed Sameer	NPTEL-Steam And Gas Power Systems
Syed Sameer	NPTEL-Ic Engines And Gas Turbines
Madhao Baliram Bhambere	NPTEL-Heat Exchange: Fundamentals And Design Analysis

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Annual e-Governance Report 2018-19

The college management embarked on a journey to enhance academic administration by implementing an Academic ERP software. The decision to opt for in-house development stemmed from a strategic approach aimed at involving college students in software development, thereby providing them with invaluable hands-on training and experiential learning opportunities.

Implementation Overview:
During the initial phase, key modules for registration, daily attendance, and uploading class test marks were successfully implemented. Subsequent to this phase, continuous developments have been undertaken to ensure that the software remains aligned with evolving academic requirements and technological advancements.

Automated Academic Audit Report:
One of the notable achievements of the Academic ERP implementation is the automated generation of the Academic Audit report. This report, generated based on filled information and predefined formulas, is now readily available with just a single click. This functionality streamlines the process of academic auditing, contributing to enhanced efficiency and accuracy in academic administration.

Enhanced Accessibility for Students:
To further facilitate academic processes, the functionality for students' daily attendance and uploading of class test marks has been made accessible for first-year students. This enhancement aims to empower students by providing them with greater control over their academic records and engagement with the academic system.

Conclusion:
The implementation of the Academic ERP software has marked a significant milestone in the college's journey towards digital transformation and enhanced academic administration. Through continuous development and innovation, institute remain committed to leveraging technology to streamline processes, enhance transparency, and improve the overall academic experience for students and faculty alike.

IQAC

Internal and External Academic audits conducted for all the departments.
Energy audit, Environmental audit and green audit conducted

IQAC Meeting summary

Academic Year	Meeting date
2018-19	**25-06-2018**
	13-09-2018
	13-12-2018
	14-03-2019